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DATE MAILED: 03/14/2006

APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/727,662		12/05/2003	Jiro Matsumoto	F00ED0150-DIV	4972
26071	7590	03/14/2006		EXAMINER	
JUNICHI MIMURA				PHAM, LONG	
•	OKI AMERICA INC. 1101 14TH STREET, N.W.			ART UNIT	PAPER NUMBER
SUITE 555				2814	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)	
	10/727,662	MATSUMOTO, JIRO	
Office Action Summary	Examiner	Art Unit	
	Long Pham	2814	
The MAILING DATE of this communication	appears on the cover sheet w	ith the correspondence address	
Period for Reply		IONTHON OF THEFT (ON PANC	
A SHORTENED STATUTORY PERIOD FOR RI WHICHEVER IS LONGER, FROM THE MAILIN - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communicatio - If NO period for reply is specified above, the maximum statutory p - Failure to reply within the set or extended period for reply will, by s Any reply received by the Office later than three months after the r earned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUNI R 1.136(a). In no event, however, may a n. eriod will apply and will expire SIX (6) MOI tatute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 2	28 September 2005.		
	This action is non-final.		
3) Since this application is in condition for all	owance except for formal mat	ters, prosecution as to the merits is	
closed in accordance with the practice und	ler <i>Ex parte Quayle</i> , 1935 C.[). 11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) <u>1,2,4-33,35-56,92 and 93</u> is/are p	ending in the application.		
4a) Of the above claim(s) is/are with	-		
5) Claim(s) <u>1-2, 5-33, and 36-56</u> is/are allowed	ed.		
6)⊠ Claim(s) <u>4,35,92 and 93</u> is/are rejected.			
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction a	nd/or election requirement.		
Application Papers			
9) The specification is objected to by the Example 1	miner.		
10) The drawing(s) filed on is/are: a)	accepted or b) ☐ objected to	by the Examiner.	
Applicant may not request that any objection to	the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the co	· · · · · · · · · · · · · · · · · · ·	• • •	•
11)☐ The oath or declaration is objected to by th	e Examiner. Note the attache	d Office Action or form PTO-152.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for for	eign priority under 35 U.S.C.	§ 119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			
 Certified copies of the priority document 	nents have been received.		
Certified copies of the priority document	nents have been received in A	Application No	
3. Copies of the certified copies of the	•	received in this National Stage	
application from the International Bu	,		
* See the attached detailed Office action for a	i list of the certified copies not	received.	
Attachment(s)	_		
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948 		Summary (PTO-413) s)/Mail Date	
 Notice of Draitsperson's Patent Drawing Review (PTO-940) Information Disclosure Statement(s) (PTO-1449 or PTO/SI Paper No(s)/Mail Date 	·	Informal Patent Application (PTO-152)	

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DETAILED ACTION

The indication of allowability of claims 2 and 33 in previous office action has been withdrawn.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 4 recites the limitation "the uneven surface" in line 5. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 4 and 35 as presently amended and 92 and 93 as newly presented are rejected under 35 U.S.C. 103(a) as being unpatentable over Miyajima (JP 2000-299335).

With respect to presently amended claims 4 and 35, Miyamjima teaches the sealing apparatus as claimed. See the rejection of claims 1 and 32 in the office action dated 06/29/05.

Miyamjima teaches the lower mold has an uneven surface or roughness but fails to teach the range for the roughness.

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However, it would have been obvious to one of <u>ordinary skill</u> in the art of making semiconductor devices to determine the workable or optimal value or range for the surface roughness through routine experimentation and optimization to obtain optimal or desired device performance because in the absence of unexpected results it has been held that it is not inventive to discover the optimum or workable ranges of a result-effective variable within given prior art conditions by routine experimentation. See MPEP 2144.05.

With respect to newly presented claims 92 and 93, how the uneven surface is formed has not been given patentable weight because claimed invention is directed to a structure.

Allowable Subject Matter

Claims 1-2, 5-33, and 36-56 are allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Long Pham whose telephone number is 571-272-1714. The examiner can normally be reached on Mon-Frid, 10am to 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wael Fahmy can be reached on 571-272-1705. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Long Pham
Primary Examiner

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